

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A system configured to arrange end-to-end (e2e) encryption between two or more pieces of terminal equipment communicating with one another, said terminal equipment comprising:
 - a codec configured to convert an audio signal into a dataflow and vice versa,
 - a module configured to manage encryption parameters stored in connection with the terminal equipment,
 - an encryption key stream generator **KSG** configured to generate a key stream segment (**KSS**) with the said encryption parameters,
 - a module configured to encrypt a dataflow and decrypt the encryption with the generated key stream segment,
 - a module configured to synchronize the encrypted dataflow and to de-synchronize the synchronization, and
 - at least one interface configured to receive the encryption parameters from the data communication network,

and wherein at least one of the pieces of terminal equipment is configured to function as a special server terminal device, ~~to manage and distribute at least the encryption parameters concerning a data communication network to the other pieces of terminal equipment based on an established criterion being configured to manage at least one of encryption and synchronization applications as well the encryption parameters concerning a data communication network and to distribute these based on an established criterion to the other pieces of terminal equipment~~, and wherein

~~the special server terminal device is configured to manage at least one of encryption and synchronization applications and to distribute these based~~

~~on an established criterion to the other pieces of terminal equipment and~~
the terminal equipment is configured to download said applications from
said special terminal device and to manage said applications, where the
terminal equipment comprises a
data memory configured to store the applications and
a processor and operating memory configured to execute the applications.

2. (Currently Amended) A system according to claim 1, wherein the terminal equipment is configured to run applications of ~~J2ME (Java 2 Platform Micro Edition)~~ a java 2 platform micro edition specification with said processor.
3. (Currently Amended) A system according to claim 2, wherein the terminal equipment is configured in accordance with ~~the MIDP (Mobile Information Device Profile)~~ a mobile information device profile specification.
4. (Currently Amended) A system according to claim 1, wherein the downloading of applications the at least one of encryption and synchronization applications as well as the encryption parameters at the terminal equipment is arranged to take place in a self-organizing manner, such as, for example, as ~~SDS (Short Data Service)~~ with short data service messages.
5. (Currently Amended) An apparatus, comprising:
 - a module configured to carry out encryption,
 - one or more modules configured to carry out synchronization,
 - a module configured to receive and manage at least encryption keys, and
 - a module configured to download and manage at least one of dynamic encryption and synchronization applications as well as encryption parameters.wherein a functionality of the apparatus to carry out end-to-end encrypted communication with another apparatus is implemented by the at least one dynamic application of encryption and synchronization applications as well as the encryption parameters based on a program.

6. (Currently Amended) The apparatus according to claim 5, wherein said application is configured to arrange command functionality at least at an interface between ~~the SIM a subscriber identity module and a terminal equipment through a mobile information device profile application protocol programming interface (MIDP API) of the application.~~

7. (Currently Amended) A method, comprising:
receiving from a data communication network information comprising at least one ~~dynamic encryption application of encryption and synchronization applications as well as encryption parameters~~, and at least one encryption key; and
executing the at least one ~~dynamic encryption application of encryption and synchronization applications as well as the encryption parameters~~ to control the operation of a terminal equipment in order to implement secure end-to-end (~~e2e~~) data communication with another terminal equipment using the at least one encryption key.

8. (Currently Amended) The method of claim 7, where the at least one ~~application of encryption and synchronization applications as well as the encryption parameters~~, and the at least one encryption key are stored in a subscriber identity (SIM) module on the terminal equipment, and the ~~application at least one of encryption and synchronization applications~~ is executed to arrange command functionality between the SIM ~~subscriber identity~~ module and the terminal equipment through a programming interface of the application.

9. (Currently Amended) The method of claim 7, wherein receiving the at least one ~~application of encryption and synchronization applications as well as the encryption parameters~~ is arranged to take place in a self-organizing manner with SDS (Short Data Service) ~~short data service~~ messages.

10. (Previously Presented) The method of claim 7 implemented in a wireless terminal equipment.

11. (Currently Amended) A method, comprising:
~~managing at least dynamic encryption and synchronization applications, and distributing the applications based on an established criterion to terminal equipment connected to a data communication network one of encryption and synchronization applications as well as encryption parameters concerning a data communication network; and distributing the at least one of encryption and synchronization applications as well as the encryption parameters based on an established criterion to pieces of terminal equipment.~~